

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number
WO 2005/079285 A2

(51) International Patent Classification: Not classified

(21) International Application Number: PCT/US2005/004309

(22) International Filing Date: 11 February 2005 (11.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/544,938 13 February 2004 (13.02.2004) US

(71) Applicant (for all designated States except US): BBi ENTERPRISES, L.P. [US/US]; 36800 Woodward Avenue, Bloomfield Hills, MI 48304 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BROWN, Steven, G. [GB/US]; 767 Harmon, Birmingham, MI 48009 (US). BOITUS, Guy, W. [US/US]; 1500 West Cranbrook Road, Bloomfield, MI 48301 (US). BILLY, Trevor [CA/CA]; 112 Scottsdale Drive, Guelph, Ontario N1G 2K8 (CA). TOHME, Elie [US/US]; 48764 Boardwalk, Macomb Township, MI 48044 (US).

(74) Agents: DEGRAZIA, Gregory, D. et al.; Howard & Howard Attorneys, PC, 39400 Woodward Avenue, Suite 101, Bloomfield Hills, MI 48304-5151 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/079285 A2

(54) Title: LIGHT WEIGHT NOISE ABSORPTION SYSTEM

(57) Abstract: A noise absorption assembly has a first layer and a second layer adhered to the first layer. The first is formed from a polymeric fibrous material that includes mixture of first and second fibers for absorbing the transmission of sound. The second layer is formed from a non-woven polymeric material for providing a barrier to prevent the transmission of sound.